PATENT COOPERATION TREATY

TRANSLATION INTERNATIONAL SEARCHING AUTHORITY To: WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) See form PCT/ISA/210 Date of mailing (day/month/year) Applicant's or agent's file reference FOR FURTHER ACTION See paragraph 2 below 0000055339 Priority date (day/month/year) International filing date (day/month/year) International application No. 13.02.2004 08.02.2005 PCT/EP2005/001231 International Patent Classification (IPC) or both national classification and IPC C08F8/00, C08G81/02 BASF AKTIENGESELLSCHAFT This opinion contains indications relating to the following items: Box No. I Basis of the opinion Box No. II Priority Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. III Box No. IV Lack of unity of invention Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability; citations and explanations supporting such statement Certain documents cited Box No. VI Certain defects in the international application Box No. VII Certain observations on the international application Box No. VIII FURTHER ACTION If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCI/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. For further details, see notes to Form PCT/ISA/220. Authorized officer Name and mailing address of the ISA/EP

Telephone No.

Facsimile No.

International application No.
PCT/EP2005/001231

Box	x No. 1 Busis of this opinion
1.	With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
	This opinion has been established on the basis of a translation from the original language into the following language
	, which is the language of a translation furnished for the purposes of international search (under
1	Rule 12.3 and 23.1(b)).
2.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
	a. type of material
l	a sequence listing
	table(s) related to the sequence listing
	b. format of material
	in written format
1	
	in computer readable form
	c. time of filing/furnishing
	contained in the international application as filed.
	filed together with the international application in computer readable form.
Ì	furnished subsequently to this Authority for the purposes of search.
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	Additional comments:
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Box	Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
1.	Statement			`	
	Novelty (N)	Claims	1-27	YES	
		Claims		- NO	
l		Claims		_	
l	Inventive step (IS)	Claims	•	_ YES	
1		Claims	see below, point V.2.	_ ^{NO}	
	Industrial applicability (I	A) Claims	1-27	YES	
	.,	Claims		NO	
2.	Citations and explanations:				
	Reference is made to the following documents:				
	D1: WO	01/30882	A (AVECIA LIMITED; THETFORD, DEAN;		
	BA	RNETT, ST	UART) 3 May 2001 (2001-05-03)		
	D2: US	2004/007	153 Al (THETFORD DEAN ET AL)		
	15	January	2004 (2004-01-15)		
	•				
	 Novelty 		•		
İ			d D2, it is likewise possible to obtain		
1	-		spersions (acrylate latex dispersions)		
			ive thickener, comprise amphiphilic		
ŀ	polymers,	with pol	yisobutene blocks and with hydrophilic		
	units.				
1			s acknowledged in the current independent		
			of multiple selection (polyisobutene from a		
	list, cor	tent of t	erminally arranged double bonds)		
1	2. Inventive	_	•		
			int 1, the idea of using copolymers	٠	
			butene blocks alongside hydrophilic		
ì			lyether blocks) for stabilizing aqueous		
			is not novel (D1, D2).		
			ald provide convincing evidence that the		
			of terminally arranged double bonds in the		
			k (and the increased functionalization		
			om) causes an unexpected technical effect.		
			known as reactive polyisobutene (with an		
			on of terminal double bonds) was known (as		
ľ			ication with MAH for purposes of copolymer		
1	synthesi	s), it was	s obvious to a person skilled in the art that		

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Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
	this material could also be used for the abovementioned
	purpose; i.e. if the applicant had merely solved the problem
	of providing further stabilizers for the abovementioned
	purpose, that would not be inventive.
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Box No. VIII

Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

In the light of the description and of the experiments, an essential feature is missing in the independent claims: according to the current wording, the hydrophilic unit (B) can be composed of a single functional group, whereas according to the other parts of the application the inventive properties are achieved only with a block copolymer. The applicant should therefore define the hydrophilic unit (B) likewise as a block.